BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK : CONSTRUCTION OF BASAVALINGAPPA SAMUDAYA BHAVANA AND CONSTRUCTION OF AMBEDKAR BHAVAN IN AMRUTHAHALLI IN WARD NO 07 (CALL-7)

Agency	Umesh N (Venkateshwara Asphalts and Concrete Mix), No:01, Ammaji Arcade, Bangaluru Circle, Hesaragahatta Main Road, Bengaluru-560073

PREMEASUREMENT SHEET - First & Part Bill

Measurements		Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remarks
Chainage									
From	To								
		Item no 07 / Providing Thermo-Mechanically Treated bars of grade Fe-500D or more Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position, binding and anchoring to adjacent members whereever necessary complete as per Design including cost of material, labour, usage charges complete as per specifications. (The laps and wastages shall not be measured separately), as per Directions of the engineer incharge							
Measurements Taken On									
		Column	Kg		From calculation sheet			4694.26	
		Beam	Kg		From calculation sheet			15278.65	
		Slab	Kg		From calculation sheet			11327.11	
		Stairacse	Kg		From calculation sheet			755.19	
		Lintel	Kg		From calculation sheet			346.93	
		Chejja	Kg		From calculation sheet			109.78	
							Total Executed Quantity	**32511.93**	
							Qty Carried to Summary	**32511.93**	

Total steel qty in tonne.. 32.51

CIVIL Pro Sig..... Date..... BANGALORE

CONTRACTOR PMC ASSISTANT ENGINEER

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

NAME OF WORK : CONSTRUCTION OF BASAVALINGAPPA SAMUDAYA BHAVANA AND CONSTRUCTION OF AMBEDKAR BHAVAN IN AMRUTHAHALLI IN WARD NO 07 (CALL-7)

Agency: Umesh N (Venkateshwara Asphalts and Concrete Mix), No:01, Ammaji Arcade, Bangaluru Circle, Hesaragahatta Main Road, Bengaluru-560073

Description: Steel calculation sheet

PREMEASUREMENT SHEET - First & Part Bill

Measurements	Description	Nos	BAR DIA	No. Bars	Total No. bars	L	Crank length (42d)	Actual Length	Total Length	Weight	Total weight
Chainage			mm			m	m	m	m	kg/m	Kg's
From To											
Item No.07	Providing Thermo-Mechanically Treated bars of grade Fe-500D or more Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position, binding and anchoring to adjacent members whereever necessary complete as per Design including cost of material, labour, usage charges complete as per specifications. (The laps and wastages shall not be measured separately), as per Directions of the engineer incharge										
7) 1	Second Floor Columns										
	C1	5	25	16	80	4.05	0	4.05	324.00	3.85	1248.49
	stirrups 8# @ 200C/C		8	22	110	2.10	0	2.1	231	0.39	91.15
	stirrups 8# @ 200C/C		8	22	110	1.62	0	1.62	178.2	0.39	70.31
	stirrups 8# @ 200C/C		8	22	110	1.14	0	1.14	125.4	0.39	49.48
	stirrups 8# @ 200C/C		8	22	110	1.50	0	1.5	165	0.39	65.11
	C2	3	25	12	36	4.05	0	4.05	145.80	3.85	561.82
	stirrups 8# @ 200C/C		8	22	66	2.10	0	2.1	138.6	0.39	54.69
	stirrups 8# @ 200C/C		8	22	66	1.50	0	1.5	99	0.39	39.06
	stirrups 8# @ 200C/C		8	22	66	0.60	0	0.6	39.6	0.39	15.62
	C3	7	25	8	56	4.05	0	4.05	226.80	3.85	873.31
	stirrups 8# @ 200C/C		8	22	154	1.80	0	1.8	277.2	0.39	109.38
	stirrups 8# @ 200C/C		8	22	154	1.80	0	1.8	277.2	0.39	109.38
	C4	11	20	8	88	4.05	0	4.05	356.40	2.47	878.94
	stirrups 8# @ 200C/C		8	22	242	1.80	0	1.8	435.6	0.39	171.88
	stirrups 8# @ 200C/C		8	22	242	1.80	0	1.8	435.6	0.39	171.88
	C5	4	16	4	16	4.05	0	4.05	64.80	1.58	102.28
			12	2	8	4.05	0	4.05	32.40	0.89	28.77
	stirrups 8# @ 200C/C		8	22	88	1.30	0	1.3	114.4	0.39	45.14
	stirrups 8# @ 200C/C		8	22	88	0.20	0	0.2	17.6	0.39	6.94
										Sub Total	4694.26

CIVIL Pro Sig..... Date..... BANGALORE

CONTRACTOR

PMC

ASSISTANT ENGINEER

ASSISTANT EXECUTIVE ENGINEER

Assistant Executive Engineer
Kodigehalli Sub Division

NAME OF WORK : CONSTRUCTION OF BASAVALINGAPPA SAMUDAYA BHAVANA AND CONSTRUCTION OF AMBEDKAR BHAVAN IN AMRUTHAHALLI IN WARD NO 07 (CALL-7)

Agency	Umesh N (Venkateshwara Asphalts and Concrete Mix), No:01, Ammaji Arcade, Bangaluru Circle, Hesaragahatta Main Road, Bengaluru-560073
Description	Steel calculation sheet

PREMEASUREMENT SHEET - First & Part Bill

Measurements	Description	Nos	BAR DIA	No. Bars	Total No. bars	L	Crank length (42d)	Actual Length	Total Length	Weight	Total weight
Chainage From / To			mm			m	m	m	m	kg/m	Kg's
7 / 2	Beams										
	B1(300X600)	1									
	top bars		25	3.00	3.00	22.10	0.00	22.10	66.30	3.85	255.48
	bottom bars		25	4.00	4.00	20.90	0.00	20.90	83.60	3.85	322.14
	top extra bars		25	2.00	2.00	3.40	0.00	3.40	6.80	3.85	26.20
	top extra bars		25	3.00	3.00	3.10	0.00	3.10	9.30	3.85	35.84
	top extra bars		25	5.00	5.00	3.50	0.00	3.50	17.50	3.85	67.43
	bottom extra bars		25	4.00	4.00	4.50	0.00	4.50	18.00	3.85	69.36
	2LGD 8# stirrups @ 100 C/C		8	65.00	65.00	1.80	0.00	1.80	117.00	0.39	46.17
	2LGD 8# stirrups @ 120 C/C		8	46.00	46.00	1.80	0.00	1.80	82.80	0.39	32.67
	2LGD 8# stirrups @ 150 C/C		8	59.00	59.00	1.80	0.00	1.80	106.20	0.39	41.90
	B2(450X750)	1									
	top bars		25	5.00	5.00	22.40	0.00	22.40	112.00	3.85	431.58
	bottom bars		25	7.00	7.00	20.90	0.00	20.90	146.30	3.85	563.75
	top extra bars		25	10.00	10.00	10.00	0.00	10.00	100.00	3.85	385.34
	bottom extra bars		25	8.00	8.00	7.60	0.00	7.60	60.80	3.85	234.28
	2LGD 12# stirrups @ 100 C/C		12	206.00	206.00	2.40	0.00	2.40	494.40	0.89	438.94
	B3(450X750)	2									
	top bars		25	6.00	12.00	22.40	0.00	22.40	268.80	3.85	1035.78
	bottom bars		25	10.00	20.00	20.90	0.00	20.90	418.00	3.85	1610.93
	top extra bars		25	10.00	20.00	5.00	0.00	5.00	100.00	3.85	385.34
	top extra bars		25	11.00	22.00	5.00	0.00	5.00	110.00	3.85	423.87
	bottom extra bars		25	8.00	16.00	7.60	0.00	7.60	121.60	3.85	468.57
	2LGD 12# stirrups @ 100 C/C		12	119.00	238.00	2.40	0.00	2.40	571.20	0.89	507.12
	2LGD 12# stirrups @ 150 C/C		12	59.00	118.00	2.40	0.00	2.40	283.20	0.89	251.43
	B4(450X750)	1									
	top bars		25	7.00	7.00	18.40	0.00	18.40	128.80	3.85	496.31
	bottom bars		25	10.00	10.00	16.90	0.00	16.90	169.00	3.85	651.22
	top extra bars		25	10.00	10.00	5.00	0.00	5.00	50.00	3.85	192.67
	bottom extra bars		25	8.00	8.00	7.60	0.00	7.60	60.80	3.85	234.28
	2LGD 12# stirrups @ 100 C/C		12	119.00	119.00	2.40	0.00	2.40	285.60	0.89	253.56
	2LGD 12# stirrups @ 150 C/C		12	32.00	32.00	2.40	0.00	2.40	76.80	0.89	68.18
	B5(300X600)	1									
	top bars		25	3.00	3.00	18.03	0.00	18.03	54.08	3.85	208.37
	bottom bars		25	6.00	6.00	16.83	0.00	16.83	100.95	3.85	389.00
	top extra bars		25	4.00	4.00	3.10	0.00	3.10	12.40	3.85	47.78
	top extra bars		25	5.00	5.00	3.50	0.00	3.50	17.50	3.85	67.43
	bottom extra bars		25	5.00	5.00	5.68	0.00	5.68	28.38	3.85	109.34
	2LGD 8# stirrups @ 100 C/C		8	39.00	39.00	1.80	0.00	1.80	70.20	0.39	27.70
	2LGD 8# stirrups @ 140 C/C		8	24.00	24.00	1.80	0.00	1.80	43.20	0.39	17.05

CIVIL PTO Sig..... Date..... BANGALORE

10396-78 467

CONTRACTOR PMC ASSISTANT ENGINEER 8/12/22 ASSISTANT EXECUTIVE ENGINEER

Assistant Executive Engineer
Kodigehalli Sub Division

NAME OF WORK : CONSTRUCTION OF BASAVALINGAPPA SAMUDAYA BHAVANA AND CONSTRUCTION OF AMBEDKAR BHAVAN IN AMRUTHAHALLI IN WARD NO 07 (CALL-7)

Agency	Umesh N (Venkateshwara Asphalts and Concrete Mix), No:01, Ammaji Arcade, Bangaluru Circle, Hesaragahatta Main Road, Bengaluru-560073
Description	Steel calculation sheet

PREMEASUREMENT SHEET - First & Part Bill

Measurements		Description	Nos	BAR DIA	No. Bars	Total No. bars	L	Crank length (42d)	Actual Length	Total Length	Weight	Total weight
Chainage				mm			m	m	m	m	kg/m	Kg's
From	To											
		2LGD 8# stirrups @ 200 C/C		8	14.00	14.00	1.80	0.00	1.80	25.20	0.39	9.94
		2LGD 8# stirrups @ 250 C/C		8	28.00	28.00	1.80	0.00	1.80	50.40	0.39	19.89
		B10(200X600)	2									
		Along grid 1 & 2 b/w grid D & F										
		top bars		16	2.00	4.00	5.80	0.00	5.80	23.20	1.58	36.65
		bottom bars		20	2.00	4.00	4.60	0.00	4.60	18.40	2.47	45.38
		2LGD 8# stirrups @ 150 C/C		8	28.00	56.00	1.60	0.00	1.60	89.60	0.39	35.35
		B10(200X600)	2									
		Along grid 1' & 2' b/w grid E & E'										
		top bars		16	2.00	4.00	3.40	0.00	3.40	13.60	1.58	21.47
		bottom bars		20	2.00	4.00	2.20	0.00	2.20	8.80	2.47	21.70
		2LGD 8# stirrups @ 150 C/C		8	13.00	26.00	1.60	0.00	1.60	41.60	0.39	16.41
		B11(200X600)	1									
		top bars		20	2.00	2.00	6.22	0.00	6.22	12.44	2.47	30.68
		bottom bars		25	2.00	2.00	5.02	0.00	5.02	10.04	3.85	38.69
		2LGD 8# stirrups @ 150 C/C		8	30.00	30.00	1.60	0.00	1.60	48.00	0.39	18.94
		B14(300X600)	1									
		top bars		25	2.00	2.00	28.65	0.00	28.65	57.30	3.85	220.80
		bottom bars		25	4.00	4.00	27.45	0.00	27.45	109.80	3.85	423.10
		top extra bars		25	3.00	3.00	5.65	0.00	5.65	16.95	3.85	65.31
		top extra bars		25	4.00	4.00	7.00	0.00	7.00	28.00	3.85	107.89
		top extra bars		25	6.00	6.00	3.23	0.00	3.23	19.35	3.85	74.56
		2LGD 8# stirrups @ 120 C/C		8	134.00	134.00	1.80	0.00	1.80	241.20	0.39	95.17
		2LGD 8# stirrups @ 150 C/C		8	74.00	74.00	1.80	0.00	1.80	133.20	0.39	52.56
		B15(300X600)	1									
		top bars		25	2.00	2.00	28.65	0.00	28.65	57.30	3.85	220.80
		bottom bars		25	4.00	4.00	27.45	0.00	27.45	109.80	3.85	423.10
		top extra bars		25	2.00	2.00	2.85	0.00	2.85	5.70	3.85	21.96
		top extra bars		25	3.00	3.00	6.00	0.00	6.00	18.00	3.85	69.36
		top extra bars		25	4.00	4.00	3.80	0.00	3.80	15.20	3.85	58.57
		top extra bars		25	6.00	6.00	3.23	0.00	3.23	19.35	3.85	74.56
		bottom extra bars		20	3.00	3.00	9.00	0.00	9.00	27.00	2.47	66.69
		2LGD 8# stirrups @ 150 C/C		8	62.00	62.00	1.80	0.00	1.80	111.60	0.39	44.04
		2LGD 8# stirrups @ 250 C/C		8	73.00	73.00	1.80	0.00	1.80	131.40	0.39	51.85
		B8(300X600)	1									
		top bars		25	2.00	2.00	22.10	0.00	22.10	44.20	3.85	170.32
		bottom bars		25	4.00	4.00	20.90	0.00	20.90	83.60	3.85	322.14
		top extra bars		25	2.00	2.00	3.40	0.00	3.40	6.80	3.85	26.20
		top extra bars		25	4.00	4.00	7.00	0.00	7.00	28.00	3.85	107.89

2991.85

CIVIL Pro Sig..... Date..... BANGALORE

CONTRACTOR PMC ASSISTANT ENGINEER 8/12/22 ASSISTANT EXECUTIVE ENGINEER 8/12/22

Assistant Executive Engine
Kodigehalli Sub Division

NAME OF WORK : CONSTRUCTION OF BASAVALINGAPPA SAMUDAYA BHAVANA AND CONSTRUCTION OF AMBEDKAR BHAVAN IN AMRUTHAHALLI IN WARD NO 07 (CALL-7)

Agency	Umesh N (Venkateshwara Asphalts and Concrete Mix), No:01, Ammaji Arcade, Bangaluru Circle, Hesaragahatta Main Road, Bengaluru-560073
Description	Steel calculation sheet

PREMEASUREMENT SHEET - First & Part Bill

Measurements	Description	Nos	BAR DIA	No. Bars	Total No. bars	L	Crank length (42d)	Actual Length	Total Length	Weight	Total weight
Chainage			mm			m	m	m	m	kg/m	Kg's
From To											
	bottom extra bars		25	3.00	3.00	9.00	0.00	9.00	27.00	3.85	104.04
	2LGD 8# stirrups @ 150 C/C		8	52.00	52.00	1.80	0.00	1.80	93.60	0.39	36.93
	2LGD 8# stirrups @ 200 C/C		8	23.00	23.00	1.80	0.00	1.80	41.40	0.39	16.34
	2LGD 8# stirrups @ 250 C/C		8	35.00	35.00	1.80	0.00	1.80	63.00	0.39	24.86
	B9(300X600)	1									
	top bars		20	4.00	4.00	22.10	0.00	22.10	88.40	2.47	218.01
	bottom bars		25	4.00	4.00	20.90	0.00	20.90	83.60	3.85	322.14
	top extra bars		25	4.00	4.00	3.40	0.00	3.40	13.60	3.85	52.41
	top extra bars		25	5.00	5.00	3.40	0.00	3.40	17.00	3.85	65.51
	top extra bars		25	6.00	6.00	3.80	0.00	3.80	22.80	3.85	87.86
	bottom extra bars		25	3.00	3.00	9.00	0.00	9.00	27.00	3.85	104.04
	2LGD 8# stirrups @ 100 C/C		8	77.00	77.00	1.80	0.00	1.80	138.60	0.39	54.69
	2LGD 8# stirrups @ 150 C/C		8	52.00	52.00	1.80	0.00	1.80	93.60	0.39	36.93
	2LGD 8# stirrups @ 200 C/C		8	27.00	27.00	1.80	0.00	1.80	48.60	0.39	19.18
	B10(200X600)	2									
	Along grid E & E' b/w grid 1' & 2'										
	top bars		16	2.00	4.00	3.40	0.00	3.40	13.60	1.58	21.49
	bottom bars		20	2.00	4.00	2.20	0.00	2.20	8.80	2.47	21.70
	2LGD 8# stirrups @ 150 C/C		8	13.00	26.00	1.60	0.00	1.60	41.60	0.39	16.41
	CB(450X175)	1									
	Along grid C b/w grid 1 & 2										
	top bars		16	4.00	4.00	5.85	0.00	5.85	23.40	1.58	36.93
	bottom bars		20	4.00	4.00	5.50	0.00	5.50	22.00	2.47	54.26
	2LGD 8# stirrups @ 100 C/C		8	47.00	47.00	1.25	0.00	1.25	58.75	0.39	23.18
	CB(450X175)	1									
	Along grid C b/w grid 5 & 6										
	top bars		16	4.00	4.00	4.00	0.00	4.00	16.00	1.58	25.25
	bottom bars		20	4.00	4.00	3.65	0.00	3.65	14.60	2.47	36.01
	2LGD 8# stirrups @ 100 C/C		8	29.00	29.00	1.25	0.00	1.25	36.25	0.39	14.30
	SB1(200X600)	2									
	top bars		16	2.00	4.00	6.70	0.00	6.70	26.80	1.58	42.30
	bottom bars		25	4.00	8.00	5.50	0.00	5.50	44.00	3.85	169.55
	2LGD 8# stirrups @ 150 C/C		8	32.00	64.00	1.60	0.00	1.60	102.40	0.39	40.41

1644.69

Assistant Executive Engineer Kodigehalli Sub Division BBMP

CIVIL Pro Sig..... Date..... BANGALORE

CONTRACTOR PMC ASSISTANT ENGINEER 8/12/22 ASSISTANT EXECUTIVE ENGINEER 8/12/22

Assistant Executive Engineer Kodigehalli Sub Division

NAME OF WORK : CONSTRUCTION OF BASAVALINGAPPA SAMUDAYA BHAVANA AND CONSTRUCTION OF AMBEDKAR BHAVAN IN AMRUTHAHALLI IN WARD NO 07 (CALL-7)

Agency	Umesh N (Venkateshwara Asphalts and Concrete Mix), No:01, Ammaji Arcade, Bangaluru Circle, Hesaragahatta Main Road, Bengaluru-560073
Description	Steel calculation sheet

PREMEASUREMENT SHEET - First & Part Bill

Measurements	Description	Nos	BAR DIA	No. Bars	Total No. bars	L	Crank length (42d)	Actual Length	Total Length	Weight	Total weight
Chainage			mm			m	m	m	m	kg/m	Kg's
From To											
	SB2(200X600)	2									
	top bars		20	2.00	4.00	5.73	0.00	5.73	22.90	2.47	56.48
	bottom bars		25	4.00	8.00	4.53	0.00	4.53	36.21	3.85	139.52
	2LGD 10# stirrups @ 150 C/C		10	25.00	50.00	1.60	0.00	1.60	80.00	0.62	49.32
										Sub Total	15278.65
7 3	Slab										
	Slab between grid A-B and 1-5 with Slab Projection										
	10# @130 c/c main bars alt	1	10	94	94	5.02	0.00	5.02	473.61	0.62	292.00
	10# @130 c/c crank bars alt	1	10	94	94	5.02	0.84	5.86	552.79	0.62	340.82
	10# @130 c/c main bars alt	1	10	20	20	24.25	0.00	24.25	492.83	0.62	303.85
	10# @130 c/c crank bars alt	1	10	20	20	24.25	3.36	27.61	561.12	0.62	345.95
	12# @ 200 C/C extra at top	1	12	26	26	11.40	0.00	11.40	297.77	0.89	264.36
	12# @ 200 C/C extra at top	1	12	122	122	1.40	0.00	1.40	171.15	0.89	151.95
	16# @ 100 C/C extra at top	1	16	51	51	3.55	0.00	3.55	181.90	1.58	287.10
	10# @230 c/c distribution	1	10	8	8	5.02	0.00	5.02	37.79	0.62	23.30
	Slab between grid B-D and 1-5										
	12# @100 c/c main bars alt	1	12	61	61	23.75	0.00	23.75	1442.81	0.89	1280.95
	12# @100 c/c crank bars alt	1	12	61	61	23.75	4.03	27.78	1687.76	0.89	1498.12
	10# @130 c/c main bars alt	1	10	92	92	11.95	0.00	11.95	1103.54	0.62	680.37
	10# @130 c/c crank bars alt	1	10	92	92	11.95	0.84	12.79	1181.11	0.62	728.20
	16# @ 200 C/C extra at top	1	16	61	61	15.55	0.00	15.55	944.66	1.58	1490.99
	12# @ 200 C/C extra at top	1	12	90	90	7.00	0.00	7.00	626.50	0.89	556.22
	12# @ 200 C/C extra at top	1	12	29	29	3.50	0.00	3.50	99.75	0.89	88.56
	10# @230 c/c distribution	1	10	5	5	17.70	0.00	17.70	94.66	0.62	58.36
	Slab between grid A-D and 5-6										
	10# @130 c/c main bars alt	1	10	65	65	3.65	0.00	3.65	237.67	0.62	146.53
	10# @130 c/c crank bars alt	1	10	65	65	3.65	0.84	4.49	292.37	0.62	180.26
	10# @230 c/c distribution	1	10	17	17	16.67	0.00	16.67	281.22	0.62	173.38

8291.56

CIVIL Pro Sig..... Date..... BANGALORE

CONTRACTOR PMC ASSISTANT ENGINEER 8/12/22 ASSISTANT EXECUTIVE ENGINEER

Assistant Executive En
Kodigehalli Sub Divis

NAME OF WORK : CONSTRUCTION OF BASAVALINGAPPA SAMUDAYA BHAVANA AND CONSTRUCTION OF AMBEDKAR BHAVAN IN AMRUTHAHALLI IN WARD NO 07 (CALL-7)

Agency	Umesh N (Venkateshwara Asphalts and Concrete Mix), No:01, Ammaji Arcade, Bangaluru Circle, Hesaragahatta Main Road, Bengaluru-560073
Description	Steel calculation sheet

PREMEASUREMENT SHEET - First & Part Bill

Measurements	Description	Nos	BAR DIA	No. Bars	Total No. bars	L	Crank length (42d)	Actual Length	Total Length	Weight	Total weight
Chainage			mm			m	m	m	m	kg/m	Kg's
From To											
	16# @ 200 C/C extra at top	1	16	84	84	1.00	0.00	1.00	84.35	1.58	133.13
	12# @ 200 C/C extra at top	1	12	19	19	3.50	0.00	3.50	67.38	0.89	59.82
	Slab between grid D-F and 1-6										
	10# @130 c/c main bars alt	1	10	80	80	6.03	0.00	6.03	484.95	0.62	298.99
	10# @130 c/c crank bars alt	1	10	80	80	6.03	0.84	6.87	552.51	0.62	340.64
	10# @230 c/c distribution	1	10	27	27	20.65	0.00	20.65	562.04	0.62	346.52
	12# @ 200 C/C extra at top	1	12	104	104	1.20	1.01	2.21	230.18	0.89	204.36
	16# @ 100 C/C extra at top	1	16	208	208	2.85	0.00	2.85	591.38	1.58	933.39
	16# @ 100 C/C extra at top	1	16	23	23	2.55	0.00	2.55	58.65	1.58	92.57
	10# @230 c/c distribution	1	10	8	8	5.05	0.00	5.05	42.38	0.62	26.13
										Sub Total	11327.1
7/4	**Staircase**								2435.34		
	1st Flight	1									
	16#@100c/c main		16	16	16	7.25	0.00	7.25	116.00	1.58	183.09
	10#@150c/c dis		10	49	49	1.50	0.00	1.50	74.00	0.62	45.88
	2nd Flight	1									
	16#@100c/c main		16	14	14	7.87	0.00	7.87	110.18	1.58	174.00
	10#@150c/c dis		10	53	53	1.30	0.00	1.30	69.51	0.62	42.85
	3rd Flight	1									
	16#@100c/c main		16	16	16	10.15	0.00	10.15	157.34	1.58	248.34
	10#@150c/c dis		10	69	69	1.45	0.00	1.45	99.58	0.62	61.39
										Sub Total	755.15
7/5	**Lintels**										
	CUT LINTEL										
	W	17									
	top bars		10	2	34	2.80	0.00	2.80	95.20	0.62	58.69
	bottom bars		10	2	34	2.40	0.00	2.40	81.60	0.62	50.31
	stirrups @ 150 C/C		8	20	334	0.80	0.00	0.80	267.47	0.39	105.64
	W	1									
	top bars		10	2	2	5.04	0.00	5.04	10.08	0.62	6.21
	bottom bars		10	2	2	4.64	0.00	4.64	9.28	0.62	5.72
	stirrups @ 150 C/C		8	35	35	0.80	0.00	0.80	27.68	0.39	10.92
											237.40

CIVIL Pto Sig..... Date..... BANGALORE

CONTRACTOR PMC ASSISTANT ENGINEER 12/12/22 ASSISTANT EXECUTIVE ENGINEER 12/12/22

Assistant Executive Engi

NAME OF WORK : CONSTRUCTION OF BASAVALINGAPPA SAMUDAYA BHAVANA AND CONSTRUCTION OF AMBEDKAR BHAVAN IN AMRUTHAHALLI IN WARD NO 07 (CALL-7)

Agency	Umesh N (Venkateshwara Asphalts and Concrete Mix), No:01, Ammaji Arcade, Bangaluru Circle, Hesaragahatta Main Road, Bengaluru-560073
Description	Steel calculation sheet

PREMEASUREMENT SHEET - First & Part Bill

Measurements	Description	Nos	BAR DIA	No. Bars	Total No. bars	L	Crank length (42d)	Actual Length	Total Length	Weight	Total weight
Chainage			mm			m	m	m	m	kg/m	Kg's
From To											
	V	4									
	top bars		10	2	8	1.60	0.00	1.60	12.80	0.62	7.89
	bottom bars		10	2	8	1.20	0.00	1.20	9.60	0.62	5.92
	stirrups @ 150 C/C		8	12	47	0.80	0.00	0.80	37.33	0.39	14.73
	V	3									
	top bars		10	2	6	1.40	0.00	1.40	8.40	0.62	5.18
	bottom bars		10	2	6	1.00	0.00	1.00	6.00	0.62	3.70
	stirrups @ 150 C/C		8	10	31	0.80	0.00	0.80	24.80	0.39	9.79
	Door	1									
	top bars		10	2	2	2.80	0.00	2.80	5.60	0.62	3.45
	bottom bars		10	2	2	2.40	0.00	2.40	4.80	0.62	2.96
	stirrups @ 150 C/C		8	20	20	0.80	0.00	0.80	15.73	0.39	6.21
	Door	1									
	top bars		10	2	2	1.90	0.00	1.90	3.80	0.62	2.34
	bottom bars		10	2	2	1.50	0.00	1.50	3.00	0.62	1.85
	stirrups @ 150 C/C		8	14	14	0.80	0.00	0.80	10.93	0.39	4.31
	Lintel near toilet room	1									
	top bars		10	2	2	2.50	0.00	2.50	5.00	0.62	3.08
	bottom bars		10	2	2	2.10	0.00	2.10	4.20	0.62	2.59
	stirrups @ 150 C/C		8	18	18	0.60	0.00	0.60	10.60	0.39	4.18
	Lintel near toilet room	2									
	top bars		10	2	4	2.02	0.00	2.02	8.08	0.62	4.98
	bottom bars		10	2	4	1.62	0.00	1.62	6.48	0.62	4.00
	stirrups @ 150 C/C		8	14	29	0.60	0.00	0.60	17.36	0.39	6.85
	Lintel near toilet room	1									
	top bars		10	2	2	3.90	0.00	3.90	7.80	0.62	4.81
	bottom bars		10	2	2	3.50	0.00	3.50	7.00	0.62	4.32
	stirrups @ 150 C/C		8	27	27	0.60	0.00	0.60	16.20	0.39	6.39
										Sub Total	346.93
7/6	Chajja									109.53	
	W	12									
	bars		8	15	180	0.78	0.00	0.78	139.50	0.39	55.04
	8# @250 c/c distribution		8	3	36	2.10	0.00	2.10	75.60	0.39	29.83

CIVIL Pro Sig..... Date..... BANGALORE

CONTRACTOR PMC

24/01/23
ASSISTANT ENGINEER

ASSISTANT EXECUTIVE ENGINEER
Assistant Executive Engineer
Kodigehalli Sub Division

119

NAME OF WORK : CONSTRUCTION OF BASAVALINGAPPA SAMUDAYA BHAVANA AND CONSTRUCTION OF AMBEDKAR BHAVAN IN AMRUTHAHALLI IN WARD NO 07 (CALL-7)

Agency	Umesh N (Venkateshwara Asphalts and Concrete Mix), No:01, Ammaji Arcade, Bangaluru Circle, Hesaragahatta Main Road, Bengaluru-560073
Description	Steel calculation sheet

PREMEASUREMENT SHEET - First & Part Bill

Measurements		Description	Nos	BAR DIA	No. Bars	Total No. bars	L	Crank length (42d)	Actual Length	Total Length	Weight	Total weight
Chainage				mm			m	m	m	m	kg/m	Kg's
From	To											
		W	1									
		bars		8	30	30	0.78	0.00	0.78	23.20	0.39	9.15
		8# @250 c/c distribution		8	3	3	4.34	0.00	4.34	13.02	0.39	5.14
		Ventilator	1									
		8# @150c/c main bars		8	22	22	0.78	0.00	0.78	17.31	0.39	6.85
		8# @250 c/c distribution		8	3	3	3.20	0.00	3.20	9.60	0.39	3.79
											Sub Total	109.78
											Total	32511.93
											Total Steel Quantity in tonne	32.51

CIVIL Pro Sig..... Date..... BANGALORE

CONTRACTOR PMC ASSISTANT ENGINEER 09/12/22 ASSISTANT EXECUTIVE ENGINEER 8/12/22

Assistant Executive Engine
Kodigehalli Sub Division

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK : CONSTRUCTION OF BASAVALINGAPPA SAMUDAYA BHAVANA AND CONSTRUCTION OF AMBEDKAR BHAVAN IN AMRUTHAHALLI IN WARD NO 07 (CALL-7)

Agency	Umesh N (Venkateshwara Asphalts and Concrete Mix), No:01, Ammaji Arcade, Bangaluru Circle, Hesaragahatta Main Road, Bengaluru-560073

PREMEASUREMENT SHEET - First & Part Bill

Measurements		Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remarks
Chainage									
From	To								
Item no 08		Providing Thermo-Mechanically Treated bars of grade Fe-500D or more Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position, binding and anchoring to adjacent members whereever necessary complete as per Design including cost of material, labour, usage charges complete as per specifications. (The laps and wastages shall not be measured separately). as per Directions of the engineer incharge Third Floor							
Measurements Taken On									
		Column	Kg		From calculation sheet			1297.86	
					Total Executed Quantity			**1297.86**	
					Qty Carried to Summary			**1297.86**	

CIVIL Pro Sig..... Date..... BANGALORE

CONTRACTOR PMC ASSISTANT ENGINEER 16/01/23 ASSISTANT EXECUTIVE ENGINEER

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

NAME OF WORK : CONSTRUCTION OF BASAVALINGAPPA SAMUDAYA BHAVANA AND CONSTRUCTION OF AMBEDKAR BHAVAN IN AMRUTHAHALLI IN WARD NO 07 (CALL-7)

Agency	Umesh N (Venkateshwara Asphalts and Concrete Mix), No:01, Ammaji Arcade, Bangaluru Circle, Hesaragahatta Main Road, Bengaluru-560073
Description	Steel calculation sheet

PREMEASUREMENT SHEET - First & Part Bill

Measurements	Description	Nos	BAR DIA	No. Bars	Total No. bars	L	Crank length (42d)	Actual Length	Total Length	Weight	Total weight
Chainage			mm								
From To						m	m	m	m	kg/m	Kg's
Item No.08	Providing Thermo-Mechanically Treated bars of grade Fe-500D or more Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position, binding and anchoring to adjacent members whereever necessary complete as per Design including cost of material, labour, usage charges complete as per specifications. (The laps and wastages shall not be measured separately). as per Directions of the engineer incharge Third Floor										
8/1	Second Floor Columns										
	C1	4	25	16	64	0.89	0	0.89	56.96	3.85	219.49
	stirrups 8# @ 200C/C		8	6	24	2.10	0	2.1	50.4	0.39	19.89
	stirrups 8# @ 200C/C		8	6	24	1.62	0	1.62	38.88	0.39	15.34
	stirrups 8# @ 200C/C		8	6	24	1.14	0	1.14	27.36	0.39	10.80
	stirrups 8# @ 200C/C		8	6	24	1.50	0	1.5	36	0.39	14.2
	C1	1	25	16	16	2.09	0	2.09	33.44	3.85	128.86
	stirrups 8# @ 200C/C		8	12	12	2.10	0	2.1	25.2	0.39	9.94
	stirrups 8# @ 200C/C		8	12	12	1.62	0	1.62	19.44	0.39	7.67
	stirrups 8# @ 200C/C		8	12	12	1.14	0	1.14	13.68	0.39	5.40
	stirrups 8# @ 200C/C		8	12	12	1.50	0	1.5	18	0.39	7.1[illegible]
	C2	3	25	12	36	0.89	0	0.89	32.04	3.85	123.46
	stirrups 8# @ 200C/C		8	6	18	2.10	0	2.1	37.8	0.39	14.92
	stirrups 8# @ 200C/C		8	6	18	1.50	0	1.5	27	0.39	10.65
	stirrups 8# @ 200C/C		8	6	18	0.60	0	0.6	10.8	0.39	4.26
	C3	6	25	8	48	0.89	0	0.89	42.72	3.85	164.62
	stirrups 8# @ 200C/C		8	6	36	1.80	0	1.8	64.8	0.39	25.57
	stirrups 8# @ 200C/C		8	6	36	1.80	0	1.8	64.8	0.39	25.57
	C3	1	25	8	8	2.09	0	2.09	16.72	3.85	64.43
	stirrups 8# @ 200C/C		8	12	12	1.80	0	1.8	21.6	0.39	8.52
	stirrups 8# @ 200C/C		8	12	12	1.80	0	1.8	21.6	0.39	8.52
	C4	9	20	8	72	0.89	0	0.89	64.08	2.47	158.03
	stirrups 8# @ 200C/C		8	6	54	1.80	0	1.8	97.2	0.39	38.35
	stirrups 8# @ 200C/C		8	6	54	1.80	0	1.8	97.2	0.39	38.35

112395

Assistant Ex... Kodigehal... BBMP

CIVIL Pro Sig..... Date..... BANGALORE

CONTRACTOR PMC 16/01/23 ASSISTANT ENGINEER ASSISTANT EXECUTIVE ENGINEER

Assistant Executive Engin... Kodigehalli Sub Divisio...

NAME OF WORK : CONSTRUCTION OF BASAVALINGAPPA SAMUDAYA BHAVANA AND CONSTRUCTION OF AMBEDKAR BHAVAN IN AMRUTHAHALLI IN WARD NO 07 (CALL-7)

Agency	Umesh N (Venkateshwara Asphalts and Concrete Mix), No:01, Ammaji Arcade, Bangaluru Circle, Hesaragahatta Main Road, Bengaluru-560073
Description	Steel calculation sheet

PREMEASUREMENT SHEET - First & Part Bill

Measurements	Description	Nos	BAR DIA	No. Bars	Total No. bars	L	Crank length (42d)	Actual Length	Total Length	Weight	Total weight
Chainage			mm			m	m	m	m	kg/m	Kg's
From To											
	C4	2	20	8	16	2.39	0	2.39	38.24	2.47	94.31
	stirrups 8# @ 200C/C		8	13	26	1.80	0	1.8	46.8	0.39	18.47
	stirrups 8# @ 200C/C		8	13	26	1.80	0	1.8	46.8	0.39	18.47
	C5	4	16	4	16	0.88	0	0.88	14.08	1.58	22.22
			12	2	8	0.88	0	0.88	7.04	0.89	6.25
	stirrups 8# @ 200C/C		8	6	24	1.30	0	1.3	31.2	0.39	12.31
	stirrups 8# @ 200C/C		8	6	24	0.20	0	0.2	4.8	0.39	1.89
										Total	1297.86
										Total Steel Quantity in tonne	1.298

173.9>

Assistant Rodigel BBM

CIVIE Pro Sig..... Date..... BANGALORE

CONTRACTOR PMC ASSISTANT ENGINEER 16/01/23 ASSISTANT EXECUTIVE ENGINEER

Assistant Executive Engi